

# Swastik Verma

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## Summary

I am a Computer Science undergraduate with a strong foundation in full-stack development. National hackathon winner with hands-on experience building scalable and user-centric software solutions. Having experience solving problems, designing systems, and collaborating in fast-paced environments.

## Education

Chitkara University, Punjab	B.E. Computer Science	CGPA: 8.2/10
Delhi Public School, Khanna	Class 12 (CBSE)	90%

## Experience

### HackIndia 2024 National Champion (Delhi)

[Project Details](#)

Led a 4-member SUPERSQUAD to victory in the Web3Innovation track, developing a blockchain-based Green Credit Marketplace. Personally implemented Solidity smart contracts for ERC-20 carbon credit trading, integrated MetaMask authentication, and managed Web3.js interactions for 50+ demo transactions. Secured first place among 2839 teams.

### Hackfest 2024 Finalist (Coimbatore)

[Project Showcase](#)

Enhanced the Green Credit Marketplace for regional finals by scaling back-end architecture with Node.js, adding IPFS storage for certification documents, and securing a Top 3 finish among 200+ teams.

### Technical Leadership

**IEEE Core Member:** Organized 6+ technical events.

**NSS Volunteer:** Led digital awareness for the Green India Clean India Camp.

[Certificate](#)

## Projects

### Green Credit Marketplace (National Winner, HackIndia 2024)

[GitHub](#) [Live](#)

A Web3 platform for trading carbon credits on Ethereum using the MERN stack, Solidity, and Web3.js. **My role:** Developed and deployed Solidity smart contracts for secure ERC-20 token transactions and MetaMask wallet authentication. Key features: ERC-20 integration, MetaMask login, transparent blockchain transactions (50+ test users). [\[Demo Video\]](#)

### Grab The Work (Freelancing Platform)

[GitHub](#)

A modern, full-stack freelancing platform connecting clients and freelancers. Built the user interface with React.js and Chakra UI, and developed backend APIs with Node.js, Express.js, and MongoDB Atlas. Implemented project posting and bidding (hourly/fixed), direct hiring, and JWT-based authentication. Integrated real-time chat using Socket.IO and managed image uploads via Cloudinary. Designed for secure, scalable transactions and responsive use across devices.

### Employee Management System

[GitHub](#)

A full-stack web app for managing HR operations, built with Next.js (front-end), Express.js (back-end), and MySQL. Implemented role-based access control (Admin/HR/Employee) with JWT authentication, CRUD operations for employees, roles, and departments using Sequelize ORM, salary management dashboard with payment status tracking, and responsive UI with Tailwind CSS and reusable components.

### Portfolio Website

[Live](#)

Personal website to showcase projects, skills, and achievements; built with Next.js and deployed on Vercel.

## Technical Skills

<b>Languages:</b>	Solidity, JavaScript, Java	<b>Backend:</b> Node.js, Express.js, REST APIs
<b>Web3/Blockchain:</b>	Web3.js, Ethers.js, Hardhat, MetaMask, IPFS	<b>Databases:</b> MongoDB, MySQL
<b>Frontend:</b>	React, Next.js, HTML, CSS, Tailwind	<b>Tools:</b> Git, Docker, AWS EC2, Postman

## Achievements

- **LeetCode:** 150+ problems solved in Java
- Ranked **1st** among 2500+ teams at HackIndia Ignite 2024 (Blockchain track)